

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (Currently Amended): A modified polyolefin resin produced by
subjecting a polyolefin resin (A) to a graft modification by vinyl monomer(s) (B)
comprising at least one (meth)acrylate monomer (b) in which an acryloyloxy group or
methacryloyloxy group is bonded to a secondary carbon atom or tertiary carbon atom;
wherein the vinyl monomer(s) (B) comprises no unsaturated carboxylic acid or its
anhydride.

Claim 2 (Original): A modified polyolefin resin composition comprising the
modified polyolefin resin defined in claim 1.

Claim 3 (Canceled):

Claim 4 (Currently Amended): The polyolefin resin composition according to claim
2, wherein the (meth)acrylate monomer (b) is a compound selected from the group consisting
of 4-t-butylcyclohexyl (meth)acrylate, cyclohexyl (meth)acrylate, t-butyl (meth)acrylate, and
isobornyl (meth)acrylate and mixtures thereof.

Claim 5 (Original): The polyolefin resin composition according to claim 2, wherein
the vinyl monomer(s) (B) further comprises a monomer having a hydroxyl group in the
molecule.

Claim 6 (Currently Amended): ~~A resin composition used as a primer for painting, and comprising;~~ the modified polyolefin resin composition defined in claim 2.

Claim 7 (Currently Amended): ~~A resin composition used for an~~ An adhesive, and comprising; the modified polyolefin resin composition defined in claim 2.

Claim 8 (Currently Amended): ~~A resin composition used for a printing ink, and comprising;~~ the modified polyolefin resin composition defined in claim 2.

Claim 9 (New): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) is an olefin homopolymer or olefin copolymer; a copolymer of a major amount of olefin monomer and a minor amount of a vinyl monomer; a copolymer of an olefin monomer with a diene monomer; or a resin comprising, as a main component, such polymer or copolymer.

Claim 10 (New): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) is low crystalline or noncrystalline polyolefin.

Claim 11 (New): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) does not comprises a chlorine-containing polyolefin resin.

Claim 12 (New): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) is selected from the group consisting of low-density polyethylene, ultra-low-density polyethylene, super ultra-low-density polyethylene, linear low-density polyethylene, high-density polyethylene, ultra-high-molecular-weight polyethylene, polypropylene, ethylene-

propylene copolymer, polymethyl pentene, propylene-1-butene random copolymer, propylene-ethylene-1-butene random copolymer, copolymer prepared from propylene and an α -olefin having 5 to 12 carbon atoms, ethylene-nonconjugated diene copolymer, propylene-nonconjugated diene copolymer, ethylene-propylene-nonconjugated diene copolymer, polybutene, ethylene-vinyl acetate copolymer, ethylene-vinyltrimethoxysilane copolymer, ethylene-methyl acrylate copolymer, ethylene-ethyl acrylate copolymer, ethylene-methyl methacrylate copolymer, styrene-butadiene block copolymer, hydrogenated styrene-butadiene block copolymer and mixtures thereof.

Claim 13 (New): The modified polyolefin resin of Claim 1, wherein the (meth)acrylate monomer (b) is selected from the group consisting of a (meth)acrylate monomer having an alicyclic hydrocarbon group, (meth)acrylate monomer having a branched hydrocarbon group and mixtures thereof.

Claim 14 (New): The modified polyolefin resin of Claim 1, wherein the (meth)acrylate monomer (b) is selected from the group consisting of 4-t-butylcyclohexyl (meth)acrylate, cyclohexyl (meth)acrylate, t-butyl (meth)acrylate, isobornyl (meth)acrylate and mixtures thereof.

Claim 15 (New): The modified polyolefin resin of Claim 1, wherein the vinyl monomer(s) (B) further comprises a monomer having a hydroxyl group in the molecule.

Claim 16 (New): The modified polyolefin resin of Claim 15, wherein the monomer having a hydroxyl group in the molecule is selected from the group consisting of (meth)acrylates having a hydroxyl group and mixtures thereof.

Claim 17 (New): The modified polyolefin resin of Claim 15, wherein the monomer having a hydroxyl group in the molecule is selected from the group consisting of 2-hydroxyethyl (meth)acrylate, 2-hydroxypropyl (meth)acrylate, 3-hydroxypropyl (meth)acrylate, 4-hydroxybutyl (meth)acrylate, and mixtures thereof.

Claim 18 (New): The modified polyolefin resin of Claim 1, wherein the vinyl monomer(s) (B) contain no chlorine atom in the molecule(s).

Claim 19 (New): The modified polyolefin resin of Claim 1, wherein an amount of the (meth)acrylate monomer (b) is 5 to 99.5% by mass in 100% by mass of the vinyl monomer(s) (B).

Claim 20 (New): The modified polyolefin resin of Claim 1, having a weight average molecular weight of 10,000 to 300,000.

Claim 21 (New): The modified polyolefin resin of Claim 1, having excellent adhesion properties to a substrate comprising a resin having a low- or non-polarity and exhibiting hardly adherable properties.

BASIS FOR THE AMENDMENT

The specification has been amended to correct a minor typographical error.

Claim 3 has been canceled.

The limitations of Claim 3 have been included in Claim 1. This amendment is also supported at page 11 of the specification.

The remaining claims have been amended to better conform to accepted US claim format.

New Claims 9-21 have been added.

New Claim 9 is supported at page 6, lines 4-10 of the specification as originally filed.

New Claim 10 is supported at page 7, line 3 of the specification as originally filed.

New Claim 11 is supported at page 7, lines 11-14 of the specification as originally filed.

New Claim 12 is supported at page 6, line 11 to page 7, line 2 of the specification as originally filed.

New Claim 13 is supported at page 8, lines 2-19 of the specification as originally filed.

New Claim 14 is supported at page 9, lines 19-24 of the specification as originally filed.

New Claim 15 is supported at page 11, lines 17-18 of the specification as originally filed.

New Claim 16 is supported at page 11, line 20 of the specification as originally filed.

New Claim 17 is supported at page 11, line 20 to page 12, line 5 of the specification as originally filed.

New Claim 18 is supported at page 12, lines 14-15 of the specification as originally filed.

New Claim 19 is supported at page 12, lines 16-23 of the specification as originally filed.

New Claim 20 is supported at page 13, lines 24-26 of the specification as originally filed.

New Claim 21 is supported at page 4, lines 5-12 of the specification as originally filed.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 1, 2 and 4-21 will now be active in this application.

INTERVIEW SUMMARY

Applicants wish to thank Examiner Asinovsky for the helpful and courteous discussion with Applicants' Representative on November 6, 2007. During this discussion it was noted that the rejection over Usui et al (US 6,800,688) may be overcome by including the limitations of Claim 3 in Claim 1. In addition, the Examiner appeared favorably convinced by the argument that the combination of Ma (US 6,472,463) and Arashiro et al (US 5,424,359) is improper as Ma does not disclose or suggest to use any monomer type that could result in a polyolefin resin as claimed in Claim 1 of the present invention. Further, the data in the Examples of the specification show the superior solubility and adhesion properties of the modified polyolefin resin of the present invention.